

## WEST Search History

DATE: Monday, June 30, 2003

**Set Name Query**

side by side

**Hit Count Set Name**

result set

*DB=DWPI; PLUR=YES; OP=ADJ*

L9	L7 and t butyl alcohol	0	L9
L8	L7 and thiophenol	0	L8
L7	L6 and lactide	1	L7
L6	L5 and (S or sulfur or sulphur or thio)	1	L6
L5	L4 and (O or oxygen)	1	L5
L4	L2 and Li	2	L4
L3	L2 and lithium	0	L3
L2	L1 and alkali metal	2	L2
L1	cyclic lactic acid oligomer	3	L1

END OF SEARCH HISTORY

**WEST**

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L1: Entry 2 of 3

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2001-300003  
DERWENT-WEEK: 200333  
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TITLE: Preparation of cyclic lactic acid oligomers by condensing lactic acid with removal of water

INVENTOR: ISHIHARA, Y; MURAKAMI, M ; TAKANO, J ; WATANABE, M

PATENT-ASSIGNEE: AMATO PHARM PROD LTD (AMATN), TOKAI EDUCATION INSTR CO LTD (TOKAN)

PRIORITY-DATA: 1999JP-0265732 (September 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001524990 X	April 8, 2003		000	C07D323/00
WO 200121613 A1	March 29, 2001	J	021	C07D323/00
AU 200073167 A	April 24, 2001		000	C07D323/00
EP 1219617 A1	July 3, 2002	E	000	C07D323/00
KR 2002068506 A	August 27, 2002		000	C07D323/00
CN 1374958 A	October 16, 2002		000	C07D323/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU  
ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE  
SL SZ TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE  
SI

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2001524990X	September 20, 2000	2000WO-JP06399	
JP2001524990X	September 20, 2000	2001JP-0524990	
JP2001524990X		WO 200121613	Based on
WO 200121613A1	September 20, 2000	2000WO-JP06399	
AU 200073167A	September 20, 2000	2000AU-0073167	
AU 200073167A		WO 200121613	Based on
EP 1219617A1	September 20, 2000	2000EP-0961098	
EP 1219617A1	September 20, 2000	2000WO-JP06399	
EP 1219617A1		WO 200121613	Based on
KR2002068506A	March 20, 2002	2002KR-0703716	
CN 1374958A	September 20, 2000	2000CN-0813068	

INT-CL (IPC): A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12; C07 D 323/00; A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12

ABSTRACTED-PUB-NO: WO 200121613A  
BASIC-ABSTRACT:

NOVELTY - Preparation of cyclic lactic acid oligomers (I) comprises (i) condensing

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lactic acid by heating; and (ii) heating the reaction to a temperature greater than in step (i) whilst reducing the pressure to 100 mmHg or less so the water produced can be removed by distillation without distilling the lactide.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for oligomers prepared by the above reaction.

USE - For preparing cyclic lactic acid oligomers useful as tumor cell growth inhibitors, antimetastatic agents, agents for enhancing the quality of life in cancer patients, immunomodulating agents, antidiabetic agents, antiobesity agents, physical strength enhancing agents and glycogen accumulation promoting agents.

ADVANTAGE - Process gives high yields of up to 99 weight%.

ABSTRACTED-PUB-NO: WO 200121613A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/4

DERWENT-CLASS: B03 B04

CPI-CODES: B07-A04; B14-E12; B14-G03; B14-H01; B14-H02; B14-S04;

**WEST****End of Result Set**

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L7: Entry 1 of 1

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2001-300002  
DERWENT-WEEK: 200333  
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TITLE: Preparation of cyclic lactic acid oligomers by polymerizing lactide in presence of alkali metal compound

INVENTOR: ISHIHARA, Y; MURAKAMI, M ; TAKANO, J ; WATANABE, M

PATENT-ASSIGNEE: AMATO PHARM PROD LTD (AMATN), TOKAI EDUCATION INSTR CO LTD (TOKAN)

PRIORITY-DATA: 1999JP-0265715 (September 20, 1999)

*priority date of applicants*

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001524989 X	April 8, 2003		000	C07D323/00
WO 200121612 A1	March 29, 2001	J	053	C07D323/00
AU 200073166 A	April 24, 2001		000	C07D323/00
EP 1219616 A1	July 3, 2002	E	000	C07D323/00
KR 2002032614 A	May 3, 2002		000	C07D323/00
CN 1379771 A	November 13, 2002		000	C07D323/00

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ  
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MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU  
ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE  
SL SZ TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE  
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## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2001524989X	September 20, 2000	2000WO-JP06398	
JP2001524989X	September 20, 2000	2001JP-0524989	
JP2001524989X		WO 200121612	Based on
WO 200121612A1	September 20, 2000	2000WO-JP06398	
AU 200073166A	September 20, 2000	2000AU-0073166	
AU 200073166A		WO 200121612	Based on
EP 1219616A1	September 20, 2000	2000EP-0961097	
EP 1219616A1	September 20, 2000	2000WO-JP06398	
EP 1219616A1		WO 200121612	Based on
KR2002032614A	March 20, 2002	2002KR-0703715	
CN 1379771A	September 20, 2000	2000CN-0813070	

INT-CL (IPC): A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12; C07 D 323/00; A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12

ABSTRACTED-PUB-NO: WO 200121612A  
BASIC-ABSTRACT:

NOVELTY - Preparation of cyclic lactic acid oligomers (I) comprises polymerizing lactide in the presence of an alkali metal compound (II).

DETAILED DESCRIPTION - Preparation of cyclic lactic acid oligomers of formula (I) comprises polymerizing lactide in the presence of an alkali metal compound of formula R-Y-Me (II).

m = 1-30;

R = aliphatic, aromatic, SiR10R11R12, CH(R20)CONR21R22 or CHR30COOR31;

R10-R12 = aliphatic or aromatic;

R20, R30, R40 = aliphatic;

R21, R22, R31 = H, aliphatic or aromatic;

Y = O, S or NR40; and

M = alkali metal.

An INDEPENDENT CLAIM is also included for (I) prepared by the above reaction.

USE - For preparing cyclic lactic acid oligomers useful as tumor cell growth inhibitors, antimetastatic agents, agents for enhancing the quality of life in cancer patients, immunomodulating agents, antidiabetic agents, antiobesity agents, physical strength enhancing agents and glycogen accumulation promoting agents.

ADVANTAGE - None given.

ABSTRACTED-PUB-NO: WO 200121612A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/31

DERWENT-CLASS: B03 B04

CPI-CODES: B07-A04; B14-E12; B14-G03; B14-H01; B14-H02; B14-S04;

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**Search Results - Record(s) 1 through 1 of 1 returned.**

☐ 1. Document ID: JP 2001524989 X WO 200121612 A1 AU 200073166 A EP 1219616 A1  
KR 2002032614 A CN 1379771 A

L7: Entry 1 of 1

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2001-300002

DERWENT-WEEK: 200333

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TITLE: Preparation of cyclic lactic acid oligomers by polymerizing lactide in presence of alkali metal compoundINVENTOR: ISHIHARA, Y; MURAKAMI, M ; TAKANO, J ; WATANABE, M

PRIORITY-DATA: 1999JP-0265715 (September 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001524989 X	April 8, 2003		000	C07D323/00
WO 200121612 A1	March 29, 2001	J	053	C07D323/00
AU 200073166 A	April 24, 2001		000	C07D323/00
EP 1219616 A1	July 3, 2002	E	000	C07D323/00
KR 2002032614 A	May 3, 2002		000	C07D323/00
CN 1379771 A	November 13, 2002		000	C07D323/00

INT-CL (IPC): A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12; C07 D 323/00; A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12

Full Title CLS:1 REF:1 SEQ:1 ATT:1

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Term	Documents
LACTIDE	932
LACTIDES	114
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(L6 AND LACTIDE).DWPI.	1

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**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: WO 200274835 A1 JP 2002275256 A

L1: Entry 1 of 3

File: DWPI

Sep 26, 2002

DERWENT-ACC-NO: 2003-029885

DERWENT-WEEK: 200302

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TITLE: Manufacture of linear or cyclic lactic acid oligomer mixture used for treating cancer, diabetes and obesity, by polymerizing lactide in presence of alkali metal amine compound

INVENTOR: MURAKAMI, M; WATANABE, M

PRIORITY-DATA: 2001JP-0078215 (March 19, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200274835 A1	September 26, 2002	J	020	C08G063/78
JP 2002275256 A	September 25, 2002		009	C08G063/82

INT-CL (IPC): A61 K 31/357; A61 P 3/02; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 35/04; A61 P 37/04; A61 P 43/00; C07 C 67/00; C07 C 69/68; C07 D 323/00; C08 G 63/08; C08 G 63/78; C08 G 63/82; C08 L 67/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FORM	Draw Deso	Clip Img	Image
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☐ 2. Document ID: JP 2001524990 X WO 200121613 A1 AU 200073167 A EP 1219617 A1 KR 2002068506 A CN 1374958 A

L1: Entry 2 of 3

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2001-300003

DERWENT-WEEK: 200333

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TITLE: Preparation of cyclic lactic acid oligomers by condensing lactic acid with removal of water

INVENTOR: ISHIHARA, Y; MURAKAMI, M ; TAKANO, J ; WATANABE, M

PRIORITY-DATA: 1999JP-0265732 (September 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001524990 X	April 8, 2003		000	C07D323/00
WO 200121613 A1	March 29, 2001	J	021	C07D323/00
AU 200073167 A	April 24, 2001		000	C07D323/00
EP 1219617 A1	July 3, 2002	E	000	C07D323/00
KR 2002068506 A	August 27, 2002		000	C07D323/00
CN 1374958 A	October 16, 2002		000	C07D323/00

INT-CL (IPC): A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12; C07 D 323/00; A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Image
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☐ 3. Document ID: JP 2001524989 X WO 200121612 A1 AU 200073166 A EP 1219616 A1 KR 2002032614 A CN 1379771 A

L1: Entry 3 of 3

File: DWPI

Apr 8, 2003

DERWENT-ACC-NO: 2001-300002

DERWENT-WEEK: 200333

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TITLE: Preparation of cyclic lactic acid oligomers by polymerizing lactide in presence of alkali metal compound

INVENTOR: ISHIHARA, Y; MURAKAMI, M ; TAKANO, J ; WATANABE, M

PRIORITY-DATA: 1999JP-0265715 (September 20, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001524989 X	April 8, 2003		000	C07D323/00
WO 200121612 A1	March 29, 2001	J	053	C07D323/00
AU 200073166 A	April 24, 2001		000	C07D323/00
EP 1219616 A1	July 3, 2002	E	000	C07D323/00
KR 2002032614 A	May 3, 2002		000	C07D323/00
CN 1379771 A	November 13, 2002		000	C07D323/00

INT-CL (IPC): A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12; C07 D 323/00; A61 K 31/365; A61 P 3/04; A61 P 3/10; A61 P 35/00; A61 P 37/04; C07 B 61/00; C07 D 319/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
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CYCLICS	43
LACTIC	11042
LACTICS	4
ACID	752469
ACIDS	132531
OLIGOMER	16152
OLIGOMERS	7139
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(CYCLIC LACTIC ACID OLIGOMER).DWPI.	3



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